

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0551-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

|  | Cor                   | mplete if Known |  |
|--|-----------------------|-----------------|--|
|  | Application Number    | 10/799838       |  |
|  | Filing Date           | Mar 12, 2004    |  |
|  | First Named Inventor  | Randy Hoffman   |  |
|  | Art Unit              | 2814            |  |
|  | Examiner Name         | Long Pham       |  |
|  | Attomey Docket Number | 200316548-1     |  |

| Examiner  | Cito         | Document Number                         | Publication Date | Name of Patentee or         | Pages, Columns, Lines, Where                    |
|-----------|--------------|---|------------------|-----------------------------|---|
| Initials* | Cite<br>No.1 | Number-Kind Code <sup>2 (J known)</sup> | MM-DD-YYYY       | Applicant of Cited Document | Relevant Passages or Relevant<br>Figures Appear |
| M         |              | <sup>US-</sup> 5,744,864                | 04-28-1998       | Cillessen                   |   |
|           |              | US-                                     |                  |                             |   |
| -         |              | US-                                     |                  |                             |   |
|           |              | US-                                     | •                |                             |   |
|           |              | US-                                     |                  |                             |   |
|           |              | US-                                     |                  |                             |   |
|           |              | US-                                     |                  |                             |   |
| ·         |              | US-                                     |                  |                             |   |
|           |              | US-                                     |                  |                             | 1   |

|                       |              | FORE  | IGN PATENT DOCU     | MENTS  |   |  |
|-----------------------|--------------|---|---------------------|--|---|--|
| Examiner<br>Initials* | Cite<br>No.1 | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |  |
|                       |              | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        |  |
|                       |              |   |                     |  |   |  |
|                       |              |   |                     |  |   |  |
|                       |              |   |                     | <u> </u>   |   |  |
|                       |              |   | <del></del>         |  |   |  |
|                       |              |   |                     |  |   |  |

| Examiner Signature Considered 12/6/03- |           |       |        |            |         |
|--|-----------|-------|--------|------------|---------|
|  | Signature | LON A | X PANO | Considered | 12/6/05 |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*\*Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*\*Applicant is to place a check mark here if English language

the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Sheet 1 of 6

|  | FO            | RM I              | PTO-1449                           |                                  |                    | ATTY. DOCKET NO.                      |          | APPLICATION NO.                       | CONFIRMATION   | NO   |                |  |
|--|---------------|-------------------|------------------------------------|----------------------------------|--------------------|---------------------------------------|----------|---------------------------------------|----------------|------|----------------|--|
|  |               |                   |                                    | JBLICATIONS FOR                  |                    | 200316548-1                           |          |                                       | <u> </u>       |      |                |  |
|  |               |                   | ANT'S INFORMATI                    | ON DISCLOSURE                    |                    | Randy L. Hoffman                      | n ets    | .1                                    |                |      |                |  |
|  |               |                   | STATE                              | MENT                             |                    | FILING DATE                           |          | GROUP                                 |                |      |                |  |
|  |               | (L                | Jse several sheets i               | f necessary)                     |                    | Herewith                              | Herewith |                                       |                |      |                |  |
| REFE   | REP           | 4CE               | DESIGNATION                        | U.S. F                           | PATEN              | T DOCUMENTS                           |          |                                       |                |      |                |  |
| XAMI   |               |                   | DOCUMENT<br>NUMBER                 | PUBLICATION<br>DATE              |                    | NAME                                  |          | Pages, Column<br>Relevant Passages    |                |      |                |  |
| L  | P             | 1A                | 5,744,864                          | 08/28/1998                       | Cil                | llessen, et al.                       |          |                                       |                |      |                |  |
| -  | `             | 1B                | 2003/0047785                       | 03/13/2003                       | Ka                 | wasaki, et al.                        |          |                                       |                |      |                |  |
|  |               | 1C                | 2003/0111663                       | 06/19/2003                       | Ya                 | gi                                    |          | ·                                     |                |      |                |  |
|  |               | 1D                | 2003/0218221                       | 11/27/2003                       | W                  | ager, III, et al.                     |          |                                       |                |      |                |  |
|  |               | 1E                | 2003/0218222                       | 11/27/2003                       | W                  | ager, III, et al.                     |          |                                       |                |      |                |  |
|  | $\neg$        | 1F                | 60/490,239                         | 07/25/2003                       |                    |                                       |          | ransparent Thin with Zinc-Tin Oxi     |                |      |                |  |
|  |               |                   | 10/763,353                         | 01/23/2004                       |                    |                                       |          | Semiconductor D                       |                |      |                |  |
| 4  | $\mathbf{y}'$ | 1H                | 10/763,354                         | 01/23/2004                       |                    | ····                                  | 7        | ransistor Includi<br>Channel Region F | ng a Deposited |      |                |  |
| X  |               | 11                | <del></del>                        |                                  |                    |                                       |          | <u> </u>                              | <u> </u>       |      |                |  |
|  | 一             | 1J                |                                    |                                  |                    |                                       |          |                                       |                |      |                |  |
|  |               | 1K                |                                    |                                  |                    |                                       |          |                                       |                |      |                |  |
| U<br>L   | 5<br>P        |                   | NUMBER<br>WO 97/06544<br>EP1134811 | DATE<br>02/20/1997<br>06/19/2001 |                    | OR APPLICANT sen, et al. saki, et al. | Rele     | evant Passages/Fig                    | Tran<br>atta   | chec |                |  |
|  |               | 1N                |                                    |                                  |                    |                                       |          |                                       |                | _    |                |  |
| -  |               | 10<br>1P          |                                    |                                  | ļ <u>-</u>         |                                       |          |                                       |                |      |                |  |
|  |               | ``                | OTHER REF                          | ERENCES (includ                  | ling Au            | uthor, Title, Date, P                 | Pertine  | nt Pages, etc.)                       |                |      |                |  |
| Lŧ   | )             | 10                | Aoki, Akira, e                     | t al., "Tin Oxide Th             | hin Film           | n Transistors", Japan                 | J. Apj   | ol. Phys., Vol. 9,                    | p.582 (1970).  |      |                |  |
| 1R Carcia, P.F., et al., "Transparent Applied Physics Letters, Vol. 82, and Physics Letters, Vol |               |                   |                                    | 18                               |                    |                                       |          |                                       |                |      | n sputtering", |  |
|  |               | Im Tra<br>.6 (200 | nsistors for Flexible E<br>3).     | Electror                         | nics", Mat. Res. S | Soc. Symp.                            |          |                                       |                |      |                |  |
| EX   | AMII          | NER               | Long                               | Pham                             |                    | DATE CONSIDER                         | RED      | 12/06/0                               | 27_            |      |                |  |

Sheet 2 of 6

|                     |  |                                  |  |  |  |              | r <del> </del>                         |                                       |  |  |
|---------------------|--|----------------------------------|--|--|--|--------------|--|---------------------------------------|--|--|
| FC                  | ORM PI   | rO-1449                          |  |  | ATTY. DOCKET NO.   |              | APPLICATION NO.                        | CONFIRMA                              | TION NO  |  |
|                     | CT OF  | DATENTO AND DI                   | IRI ICATIONS FOR                             |  | 200316548-1<br>APPLICANT   |              |  | <u> </u>                              |  |  |
|                     |  | NT'S INFORMATI                   | ON DISCLOSURE                                |  | Randy L. Hoffman, et al.   |              |  |                                       |  |  |
|                     |  | STATE                            | MENT   |  | FILING DATE  | 11, 61       | GROUP                                  |                                       |  |  |
|                     | (Us  | e several sheets i               | f necessary)                                 |  | Herewith   |              |  |                                       | <del></del>                                      |  |
| REFERE              | NCE E  | ESIGNATION                       | U.S. P.                                      | ATENT  | DOCUMENTS  |              |  |                                       |  |  |
| EXAMINER<br>INITIAL | PUBLICATION DATE  2A  2B  2C  2D  2E  2F  2G  2H  21  2J  2K  POCUMENT NUMBER  PUBLICATION DATE  FOREI  POREI  FOREI  2U  2N  2N  2O  2P  OTHER REFERENCES (including  PUBLICATION DATE  20  21  20  27  28  CHARGE STATE OF THE S |                                  | NAME   |  | Pages, Columns, Lines Where<br>Relevant Passages or Figures Appear |              |  |                                       |  |  |
|                     | 2A   | •                                |  |  | •  |              | •                                      |                                       |  |  |
|                     | 2B   |                                  |  |  |  |              |  |                                       |  |  |
|                     | 2C   |                                  |  |  |  |              |  |                                       |  |  |
|                     | 2D   |                                  |  |  |  |              |  | · · · · · · · · · · · · · · · · · · · | <del></del>                                      |  |
|                     | 2E   |                                  |  |  |  |              | ······································ | ····                                  | <del></del>                                      |  |
|                     | 2F   |                                  |  | _  |  |              | :                                      |                                       |  |  |
|                     | <del>├</del>   |                                  |  |  |  |              |  |                                       |  |  |
|                     | -  |                                  |  | <del>                                     </del> |  |              |  |                                       |  |  |
|                     | <b> </b>   |                                  |  |  |  |              |  |                                       | <del></del>                                      |  |
|                     | $\vdash$   |                                  |  |  |  |              |  |                                       | <del></del>                                      |  |
|                     |  |                                  |  |  |  |              |  |                                       |  |  |
|                     | [2.]   |                                  |  |  | · -  | 1            |  |                                       | <del></del> -                                    |  |
|                     |  |                                  | PUBLICATION                                  | <del></del>                                      | AME OF PATENTEE<br>OR APPLICANT                                    | 1            | Pages/Columns/Line                     |                                       | Check if<br>Translatio<br>attached               |  |
|                     | 21   | <del></del>                      |  |  |  | +            |  |                                       | 1  |  |
|                     | 1  |                                  |  |  | <del> </del>   | ╁            |  |                                       | <del>                                     </del> |  |
|                     | <del>                                     </del>   |                                  |  |  |  | <del> </del> |  |                                       | <del>                                     </del> |  |
|                     | $\vdash$   |                                  |  | <del>-</del>                                     |  | +            | <del></del>                            |                                       | +  |  |
|                     |  |                                  |  |  |  | -            |  |                                       | +  |  |
|                     | 2  |                                  | <u> </u>                                     |  |  |              |  |                                       | <del></del>                                      |  |
|                     |  | OTHER REF                        | ERENCES (includi                             | ng Au  | thor, Title, Date, P   | Pertin       | ent Pages, etc.)                       |                                       |  |  |
| LP                  | 20   |                                  | t al., "MOS and MO                           | OSFET  | with Transistion Med   | tal Ox       | kides", SPIE Vol. 2                    | 697, pp.                              |  |  |
|                     | 2R   | Giesbers, J.B.<br>Microeletronic | , et al., "Dry Etchin<br>Engineering, Vol. ( | ng of Al<br>35, pp.                              | I-Oxide Transparent<br>71-74 (1997).                               | Thin         | Film Memory Tran                       | nsistors",                            |  |  |
|                     | 28   | Grosse-Holz, K<br>Symp. Proc., V | C.O., et al. "Semico<br>Vol. 401, pp. 67-72  | onductiv<br>2 (1996                              | ve Behavior of Sb Do   | oped         | SnO2 Thin Films",                      | , Mat. Res. S                         | Soc.   |  |
| EXAMI               | NER  | Long                             | Pham   | -  | DATE CONSIDER  | RED          | 12/6/0                                 | N)                                    | <del> </del>                                     |  |

Rev 10/03 (PTO1449)

Sheet 3 of 6

| FC  | RM PT  | O-1449                           |  |                    | ATTY. DOCKET NO.                                 |                                    | APPLICATION NO.                          | CONFIRMA                | TION NO                 |  |  |
|---|--|----------------------------------|--|--------------------|--|------------------------------------|--|-------------------------|-------------------------|--|--|
| 1 10                                      | ET OF  | DATENTS AND PI                   | IRLICATIONS FOR                        |                    | 200316548-1                                      | لـــــــل                          |  | <u> </u>                |                         |  |  |
|   |  | NT'S INFORMATION                 | ON DISCLOSURE                          |                    | APPLICANT  |                                    | al                                       |                         |                         |  |  |
|   |  | STATE                            | MENT                                   |                    | Randy L. Hoffman                                 |                                    |  |                         |                         |  |  |
|   | (Us  | e several sheets i               | f necessary)                           |                    | Herewith   |                                    | <u></u>                                  |                         |                         |  |  |
| REFERE                                    | AMINER NUMBER PUBLICATION DATE  3A 3B 3B 3C 3D 3E 3F 3G 3H 3I 3J 3K  POREI  DOCUMENT PUBLICATION DATE  FOREI  DOCUMENT PUBLICATION DATE  3L 3M 3N 3N 3N 3O 3P  OTHER REFERENCES (including)  ABA Masuda, Satoshi, et al., "Transparer  |                                  |  |                    | T DOCUMENTS                                      |                                    |  |                         |                         |  |  |
| EXAMINER<br>INITIAL                       | LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)  FERENCE DESIGNATION U.S. PA  MINER DOCUMENT PUBLICATION DATE  3A 3B 3C 3D 3C 3D 3E 3F 3G 3H 3I 3J 3J 3J 3K  FOR  DOCUMENT PUBLICATION DATE  FOR  DOCUMENT PUBLICATION DATE  3L 3M 3N |                                  |  | NAME               |  | Pages, Column<br>Relevant Passages |  |                         |                         |  |  |
|   | за   |                                  |  |                    |  | İ                                  |  |                         |                         |  |  |
|   | 3B   |                                  |  |                    |  |                                    |  |                         |                         |  |  |
| -   | зс   | A1111.11                         |  |                    |  |                                    |  |                         |                         |  |  |
|   | 3D   |                                  |  |                    |  |                                    |  |                         |                         |  |  |
|   | 3E   |                                  |  |                    |  |                                    |  |                         |                         |  |  |
|   | 3F   |                                  |  |                    |  | 1                                  |  |                         |                         |  |  |
|   | 3G   |                                  |  | _                  |  |                                    |  |                         |                         |  |  |
|   | зн   |                                  |  |                    | <del></del>                                      | <del> </del>                       |  |                         | <del></del>             |  |  |
|   | <b>-</b>   |                                  |  | _                  |  |                                    |  |                         |                         |  |  |
|   | 3.1  |                                  |  | _                  |  |                                    |  |                         | <del></del>             |  |  |
|   | $\vdash$   |                                  |  |                    |  |                                    |  |                         |                         |  |  |
|   |  |                                  |  |                    |  | L                                  |  |                         |                         |  |  |
|   |  |                                  | FO                                     | REIGN              | PATENT DOCUME                                    | ENTS                               | *  |                         |                         |  |  |
|   |  |                                  |  | N/                 | AME OF PATENTEE OR APPLICANT                     |                                    | Pages/Columns/Line<br>evant Passages/Fig |                         | Check if<br>Translation |  |  |
|   | 3L   |                                  |  |                    |  |                                    |  |                         |                         |  |  |
|   | $\vdash$   |                                  |  |                    |  | +                                  |  |                         | <del></del>             |  |  |
|   | $\vdash$   |                                  |  |                    |  | 1                                  |  |                         | <del></del>             |  |  |
|   | -  |                                  |  |                    |  | +                                  |  |                         |                         |  |  |
| <u> </u>                                  | ++   |                                  |  |                    |  | +-                                 |  |                         | <del></del>             |  |  |
|   | 19. 1  |                                  | <u> </u>                               |                    |  |                                    |  |                         | <del>-1</del>           |  |  |
|   |  | OTHER REFI                       | ERENCES (includi                       | ng Au              | thor, Title, Date, P                             | ertin                              | ent Pages, etc.)                         |                         |                         |  |  |
| LP  | 30   | Hoffman, R.L.,<br>82, No. 5, pp. | et al., "ZnO-based<br>733-735 (Februar | d trans<br>y 3, 20 | parent thin-film trans<br>103).                  | sistors                            | ", Applied Physic                        | s Letters, Vo           | ol.                     |  |  |
| and their electrical properties", Journal |  |                                  |  | arent th           | nin film transistors us<br>of Applied Physics, \ | sing Z<br>Vol. 9                   | nO as an active o<br>3, No. 3, pp. 162   | hannel layer<br>24-1630 |                         |  |  |
|   |  |                                  |  | ty Thin<br>4A, p   | Film Transistors with<br>b. L347-L349 (April,    | h Trai<br>2003                     | nsparent ZnO Cha                         | annels", Jpn.           | . J.                    |  |  |
| EXAMI                                     | NER  | Lone                             | Phan                                   | <u> </u>           | DATE CONSIDER                                    | RED                                | (2/6/0)                                  | <u> </u>                |                         |  |  |

Rev 10/03 (PTO1449)

|  |       |  |  |   |                         | r   |                 |                        |
|--|-------|--|--|---|-------------------------|---|-----------------|------------------------|
| FO   | RM PT | O-1449   |  | ATTY. DOCKET                                  |                         | APPLICATION NO.                           | CONFIRMAT       | FION NO                |
| 115  | T OF  | PATENTS AND PL                                 | BLICATIONS FOR                               | 200316548-                                    | 1                       | <u></u>                                   | <u> </u>        | —                      |
| AP   | PLICA | NT'S INFORMATION                               | ON DISCLOSURE                                | Randy L. Hof                                  | ·<br>ffman. et          | al.                                       |                 |                        |
|  |       |  |  | FILING DATE                                   |                         | GROUP                                     |                 |                        |
|  | (Us   | e several sheets i                             | f necessary)                                 | Herewith                                      |                         | <u> </u>                                  |                 |                        |
| REFEREN  | VCE D | ESIGNATION                                     | U.S. PA                                      | ATENT DOCUMENT                                | S                       |   |                 |                        |
| EXAMINER<br>INITIAL  |       | DOCUMENT<br>NUMBER                             | PUBLICATION<br>DATE                          | NAME  |                         | Pages, Column<br>Relevant Passages        |                 |                        |
|  | 4A    |  |  |   |                         |   |                 |                        |
|  | 4B    |  | ·  |   |                         |   |                 |                        |
|  | 4C    |  |  |   |                         |   |                 |                        |
|  | 4D    |  |  |   |                         |   |                 |                        |
|  | 4E    |  |  |   |                         |   |                 |                        |
|  | 4F    |  |  |   |                         |   |                 |                        |
|  | 4G    |  |  |   |                         |   |                 |                        |
|  | 4H    |  |  |   |                         |   |                 |                        |
|  | 41    |  | ·  |   |                         |   |                 |                        |
|  | 4J    |  |  |   |                         |   |                 |                        |
|  | 4K    |  |  |   |                         |   |                 |                        |
|  |       | DOCUMENT<br>NUMBER                             | PUBLICATION<br>DATE                          | NAME OF PATENT                                | EE                      | Pages/Columns/Line<br>levant Passages/Fig |                 | Check I<br>Translation |
|  | 4L    |  |  |   |                         |   |                 |                        |
|  | 4M    |  |  |   |                         |   |                 |                        |
|  | 4N    |  |  |   |                         |   |                 |                        |
|  | 40    |  |  |   |                         |   |                 |                        |
|  | 4P    |  |  |   |                         |   | ·               | <u> </u>               |
|  |       | OTHER REFI                                     | RENCES (includi                              | ng Author, Title, Da                          | ite, Pertin             | ent Pages, etc.)                          |                 |                        |
| LP   | 40    | Ohya, Yutaka,<br>Jpn. J. Appl. I               | et al., "Thin Film T<br>Phys., Vol. 40, Part | ransistor of ZnO Fabr<br>1, No. 1, pp. 297-29 | icated by<br>98 (Januar | Chemical Solution<br>y, 2001).            | Deposition",    |                        |
| 4R Pallecchi, Ilaria, et al. "SrTIO3-based Physics Letters, Vol. 78, No. 15, pp. |       | sed metal-insulator-se<br>pp. 2244-2246 (April | emiconduct<br>I 9, 2001).                    | or heterostructure                            | s" Applied              |   |                 |                        |
|  | 45    | Prins, M. W. J<br>No. 25, pp. 36               | ., et al., "A ferroeld<br>350-3652 (June 17  | ectric transparent thin, 1996).               | -film trans             | istor", Appl. Phys                        | . Lett., Vol. 6 | j8,                    |
| EXAMI  | NER   | 1  | ΛΙ   | DATE CON                                      | ISIDERED                | 12/11                                     |                 |                        |
|  |       | 1_1  | na Pha                                       | W   |                         | 12/6/0                                    | ,5              |                        |

Rev 10/03 (PTO1449)

Sheet 5 of 6

|                    |                                     |  |   | 5.1.551.5  | J. J                                  |
|--------------------|-------------------------------------|--|---|--|---------------------------------------|
|                    | M PTO-1449                          |  | ATTY. DOCKET NO.  | APPLICATION NO.                                    | CONFIRMATION N                        |
|                    |                                     |  | 200316548-1   |  | <u> </u>                              |
|                    | OF PATENTS AND PULICANT'S INFORMATI |  | APPLICANT   |  |                                       |
|                    | STATE                               | MENT   | Randy L. Hoffman  | n, et al.<br>GROUP                                 |                                       |
|                    | (Use several sheets i               | f necessary)                                   | Herewith  |  |                                       |
| REFEREN            | CE DESIGNATION                      | U.S. PA  | ATENT DOCUMENTS   |  |                                       |
| XAMINER<br>INITIAL |                                     |  | NAME  | Pages, Column<br>Relevant Passages                 |                                       |
| 5                  | Α                                   |  |   |  |                                       |
| 5                  | В                                   |  |   |  |                                       |
| 5                  | С                                   |  |   |  | · · · · · · · · · · · · · · · · · · · |
| 5                  | D                                   |  |   |  | · .                                   |
| 5                  | E                                   |  |   |  |                                       |
| 5                  | F                                   |  |   |  |                                       |
| 5                  | G                                   |  |   |  |                                       |
| 5                  | н                                   |  |   | -  |                                       |
| 5                  | 1                                   |  |   |  |                                       |
| 5                  | J                                   |  |   |  |                                       |
|                    | K                                   |  |   |  |                                       |
|                    | DOCUMENT<br>NUMBER                  | PUBLICATION<br>DATE                            | NAME OF PATENTEE<br>OR APPLICANT  | Pages/Columns/Line<br>Relevant Passages/Fig        |                                       |
| 5                  | SL                                  |  |   |  |                                       |
| 6                  | im ·                                |  |   |  |                                       |
| ŧ                  | in                                  |  |   |  |                                       |
|                    | 60                                  |  |   |  |                                       |
| ŧ                  | iP                                  |  |   |  |                                       |
|                    | OTHER REF                           | ERENCES (includir                              | ng Author, Title, Date, F   | Pertinent Pages, etc.)                             |                                       |
| 1P                 | 5Q Seager, C.H.,<br>Lett., Vol. 68, | et al., "Charge Trap<br>No. 19, pp. 2660-      | ping and device behavior<br>2662 (May 6, 1996).                           | in ferroelectric memorie                           | es", Appl. Phys.                      |
|                    | 5R Uneno, K., et<br>Physics Letter  | al. "Field-effect tran<br>s, Vol. 83, No. 9, p | esistor on SrTiO3 with spu<br>p. 1755-1757 (September                     | ittered Al2O3 gate insul<br>1, 2003).              | ator", Applied                        |
|                    | channel, a pos                      | ssible new gas sense                           | nsulated gate thin-film transor device" The 11th Europember 21-24, 1997). | nsistor using SnO2 as se<br>bean Conference on Sol | emiconducting id State                |
| EXAMIN             | ER \                                | m PhA  | M DATE CONSIDE  | 12// <sub>2</sub> /                                | 105                                   |

Sheet 6 of 6

|  |        |                                  |  |         |  |                  | 0,,000                               | 0.0                   |                        |
|--|--------|----------------------------------|--|---------|--|------------------|--------------------------------------|-----------------------|------------------------|
|  | DAM DI | O-1449                           |  |         | ATTY. DOCKET NO.                               | Α                | PPLICATION NO.                       | CONFIRMA              | TION NO                |
| -  |        |                                  |  |         | 200316548-1                                    |                  |                                      | L                     |                        |
|  |        | PATENTS AND PU<br>NT'S INFORMATI | IBLICATIONS FOR                          |         | APPLICANT                                      |                  |                                      |                       |                        |
| ~"   |        | STATE                            |  |         | Randy L. Hoffma                                | n, et al.        | ROUP                                 |                       |                        |
|  | (Us    | e several sheets i               | f necessary)                             |         |  | ١٩               | ROUP                                 |                       |                        |
|  |        |                                  | <u> </u>                                 | A TEN!  | Herewith                                       |                  |                                      |                       | <del></del>            |
|  |        | DESIGNATION                      |  | AIEN    | T DOCUMENTS                                    | 1                | Danie Cationa                        | - 1: \A/b             |                        |
| EXAMINER<br>INITIAL                        |        | DOCUMENT<br>NUMBER               | PUBLICATION<br>DATE                      |         | NAME   | Re               | Pages, Column<br>elevant Passages    |                       |                        |
|  | 6A     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6B     | <del></del>                      |  | _       |  |                  |                                      |                       |                        |
|  | 6C     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6D     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6E     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6F     |                                  |  |         |  |                  | ·                                    |                       |                        |
|  | 6G     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6Н     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 61     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6J     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6K.    |                                  |  |         |  |                  |                                      |                       |                        |
|  |        | DOCUMENT<br>NUMBER               | PUBLICATION<br>DATE                      | N       | AME OF PATENTEE<br>OR APPLICANT                |                  | ges/Columns/Line<br>ant Passages/Fig |                       | Check if<br>Translatio |
|  | 6L     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6М     |                                  |  |         |  |                  |                                      |                       |                        |
|  | 6N     |                                  |  |         |  |                  |                                      |                       | <u> </u>               |
|  | 60     |                                  |  |         | ·  |                  |                                      | -                     |                        |
|  | 6P     |                                  |  | ·       |  |                  |                                      |                       |                        |
|  |        | OTHER REFI                       | ERENCES (includi                         | ing Au  | ithor, Title, Date, F                          | Pertinen         | it Pages, etc.)                      |                       |                        |
| LP   | 60     | Yoshida, A., "<br>Transactions o | Three Terminal Fie<br>on Applied Superco | ld Effe | ct Superconducting  <br>vity, Vol. 5, No. 2, p | Device Upp. 2892 | Jsing SrTiO3 Ch<br>2-2895 (June, 1   | nannel" IEEE<br>995). |                        |
| 6R Solid-State Electronics, Vol. 7, Pergam |        |                                  |  |         | on Press, Notes pp.                            | 701-702          | ! (1964).                            |                       |                        |
| 1  | 65     | Anonymous, "<br>Disclosure, p.   | Transparent and/o<br>890 (July 1998).    | r mem   | ory thin film transisto                        | ors in LC        | CD's and PLEAC                       | _" Research           | <del></del>            |
| EXAMI                                      | NER    | Lon                              | a Pha                                    | M       | DATE CONSIDE                                   | RED              | 12/6                                 | /o                    |                        |

Rev 10/03 (PT01449)